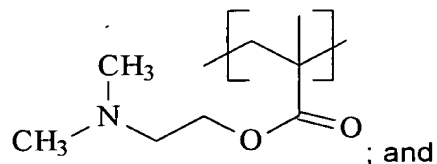


wherein each of  $\text{R}^1$ ,  $\text{R}^2$  and  $\text{R}^3$  are independently selected from the group consisting of hydrogen,  $\text{C}_1$  to  $\text{C}_6$  alkyl and mixtures thereof; L is selected from the group consisting of a bond, O,  $\text{NR}^6$ ,  $\text{SR}^7\text{R}^8$  and mixtures thereof, wherein  $\text{R}^6$  is selected from the group consisting of hydrogen,  $\text{C}_1$  to  $\text{C}_8$  alkyl and mixtures thereof; each of  $\text{R}^7$  and  $\text{R}^8$  are independently hydrogen, O,  $\text{C}_1$  to  $\text{C}_8$  alkyl and mixtures thereof, or  $\text{SR}^7\text{R}^8$  form a heterocyclic ring containing from 4 to 7 carbon atoms, optionally containing additional hetero atoms and optionally substituted; Z is selected from the group consisting of:  $-(\text{CH}_2)-$ ,  $(\text{CH}_2-\text{CH}=\text{CH})-$ ,  $-(\text{CH}_2-\text{CHOH})-$ ,  $(\text{CH}_2-\text{CHNR}^6)-$ ,  $-(\text{CH}_2-\text{CHR}^{14}-\text{O})-$  and mixtures thereof; wherein  $\text{R}^{14}$  is selected from the group consisting of hydrogen,  $\text{C}_1$  to  $\text{C}_6$  alkyl and mixtures thereof; z is an integer selected from 0 to 12; A is  $\text{NR}^4\text{R}^5$ , wherein each of  $\text{R}^4$  and  $\text{R}^5$  are independently selected from the group consisting of hydrogen,  $\text{C}_1$  to  $\text{C}_8$  alkyl, and mixtures thereof, or  $\text{NR}^4\text{R}^5$  form an heterocyclic ring containing from 4 to 7 carbon atoms, optionally containing additional hetero atoms, optionally fused to a benzene ring, and optionally substituted by  $\text{C}_1$  to  $\text{C}_8$  hydrocarbyl; and wherein said polymeric suds stabilizer has a molecular weight of from about 1,000 to about 2,000,000 daltons;

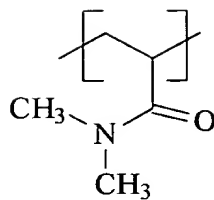
- b) a deterative surfactant; and
- c) the balance carriers and other adjunct ingredients.

2. A composition according to Claim 1, wherein said polymeric suds stabilizer comprises a molecular weight of from about 5,000 to about 1,000,000.
3. A composition according to Claim 1, wherein said polymeric suds stabilizer is a copolymer of:

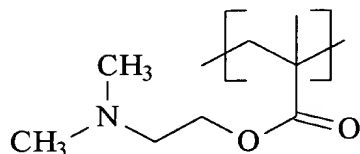
i)



ii)

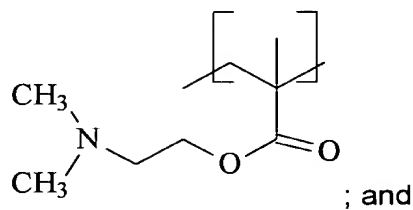


4. A composition according to Claim 1, wherein said polymeric suds stabilizer is a homopolymer of :

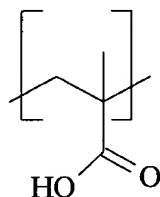


5. A composition according to Claim 1, wherein said polymeric suds stabilizer is a copolymer of:

i)

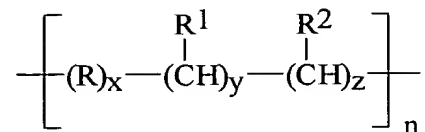


ii)



6. A detergent composition comprising:
- an effective amount of a proteinaceous suds stabilizer, said stabilizer having an isoelectric point of from about 7.5 to about 11.5;
  - an effective amount of a deterative surfactant; and
  - the balance carriers and other adjunct ingredients.
7. A detergent composition comprising:
- an effective amount of a zwitterionic polymeric suds stabilizer;
  - an effective amount of a deterative surfactant; and
  - the balance carriers and other adjunct ingredients.

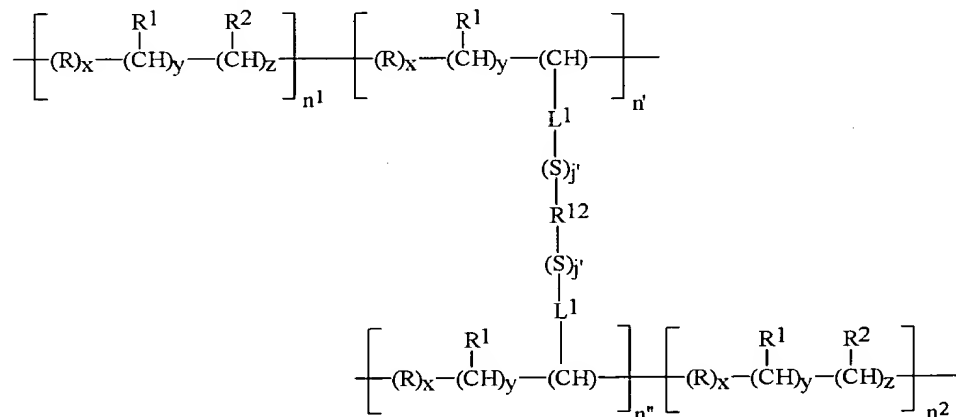
8. A composition according to Claim 7 wherein said zwitterionic polymeric suds stabilizer has the formula:



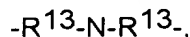
wherein R is C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, and mixtures thereof; R<sup>1</sup> is a unit capable of having a negative charge at a pH of from about 4 to about 12; R<sup>2</sup> is a unit capable of having a positive charge at a pH of from about 4 to about 12; n has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight of from about 1,000 to about 2,000,000 daltons; x is from 0 to 6; y is 0 or 1; and z is 0 or 1.

9. A composition according to Claim 7, wherein said zwitterionic polymeric suds stabilizer has an average molecular weight of from about 5,000 to about 1,000,000 daltons.

10. A composition according to Claim 7, wherein said zwitterionic polymeric suds stabilizer has the formula:



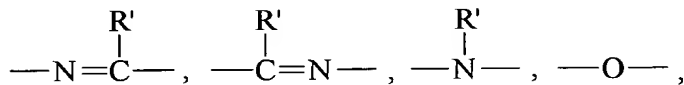
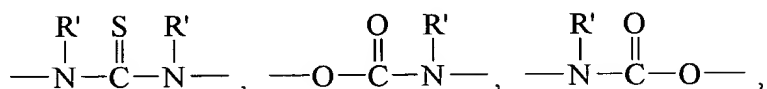
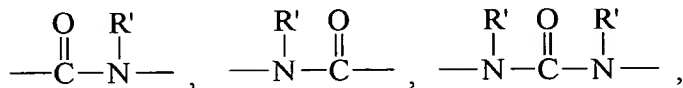
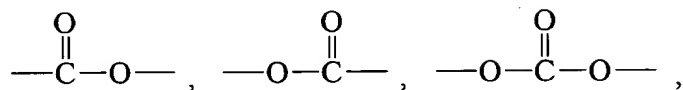
wherein R is C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, and mixtures thereof; R<sup>1</sup> is a unit capable of having a negative charge at a pH of from about 4 to about 12; R<sup>2</sup> is a unit capable of having a positive charge at a pH of from about 4 to about 12; C<sub>1</sub>-C<sub>12</sub> linear alkylene amino alkylene having the formula:



L<sup>1</sup>, and mixtures thereof, wherein each R<sup>13</sup> is independently L<sup>1</sup>, ethylene, and mixtures thereof; each S is independently selected from C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, C<sub>3</sub>-C<sub>12</sub> linear alkenylene, C<sub>3</sub>-C<sub>12</sub> branched alkenylene, C<sub>3</sub>-C<sub>12</sub> hydroxyalkylene, C<sub>4</sub>-C<sub>12</sub> dihydroxyalkylene, C<sub>6</sub>-C<sub>10</sub> arylene, C<sub>8</sub>-C<sub>12</sub>

dialkylarylene,  $-(R^5O)_kR^5-$ ,  $-(R^5O)_kR^6(OR^5)_k-$ ,

$-CH_2CH(OR^7)CH_2-$ , and mixtures thereof;  $L^1$  is a linking unit independently selected from the following:



and mixtures thereof;  $n^1 + n^2$  has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight of from about 1,000 to about 2,000,000 daltons;  $n'$  is equal to  $n''$  and further  $n' + n''$  is less than or equal to 5% or the value  $n^1 + n^2$ ;  $x$  is 0 to 6;  $y$  is 0 or 1; and  $z$  is 0 or 1.

11. A detergent composition comprising:

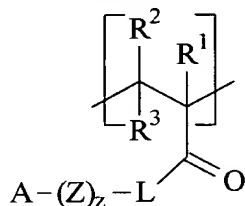
- a) an effective amount of a polymeric suds stabilizer, said stabilizer comprising:
  - i) units capable of having a cationic charge at a pH of from about 4 to about 12;

provided that said suds stabilizer has an average cationic charge density of at least 0.01 units per 100 daltons molecular weight at a pH of from about 4 to about 12;
- b) an effective amount of a deterative surfactant; and
- c) the balance carriers and other adjunct ingredients.

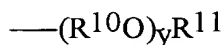
12. A composition according to Claim 11 wherein said polymeric suds stabilizer (a) further comprises:

- ii) units capable of having an anionic charge at a pH of from about 4 to about 12;
- iii) units capable of having an anionic charge and a cationic charge at a pH of from about 4 to about 12;
- iv) units having no charge at a pH of from about 4 to about 12; and
- v) mixtures of units (i), (ii), (iii), and (iv).

13. A composition according to Claim 11, wherein said polymeric suds stabilizer has an average molecular weight of from about 1,000 to about 2,000,000 daltons.
14. A composition according to Claim 11, wherein said polymeric suds stabilizer (a) is a polymer comprising at least one monomeric unit of the formula:

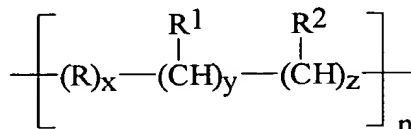


wherein each of  $R^1$ ,  $R^2$  and  $R^3$  are independently selected from the group consisting of hydrogen,  $C_1$  to  $C_6$  alkyl, and mixtures thereof; L is selected from the group consisting of a bond, O,  $NR^6$ ,  $SR^7R^8$  and mixtures thereof, wherein  $R^6$  is selected from the group consisting of hydrogen,  $C_1$  to  $C_8$  alkyl and mixtures thereof; each of  $R^7$  and  $R^8$  are independently hydrogen, O,  $C_1$  to  $C_8$  alkyl and mixtures thereof, or  $SR^7R^8$  form a heterocyclic ring containing from 4 to 7 carbon atoms, optionally containing additional hetero atoms and optionally substituted; Z is selected from the group consisting of:  $-(CH_2)-$ ,  $(CH_2-CH=CH)-$ ,  $-(CH_2-CHOH)-$ ,  $(CH_2-CHNR^6)-$ ,  $-(CH_2-CHR^{14}-O)-$  and mixtures thereof; wherein  $R^{14}$  is selected from the group consisting of hydrogen,  $C_1$  to  $C_6$  alkyl, and mixtures thereof; z is an integer selected from 0 to 12; A is  $NR^4R^5$ , wherein each of  $R^4$  and  $R^5$  are independently selected from the group consisting of hydrogen,  $C_1$ - $C_8$  linear or branched alkyl, alkyleneoxy having the formula:



wherein  $R^{10}$  is  $C_2$ - $C_4$  linear or branched alkylene, and mixtures thereof;  $R^{11}$  is hydrogen,  $C_1$ - $C_4$  alkyl, and mixtures thereof; y is from 1 to 10; or  $NR^4R^5$  form a heterocyclic ring containing from 4 to 7 carbon atoms, optionally containing additional hetero atoms, optionally fused to a benzene ring, and optionally substituted by  $C_1$  to  $C_8$  hydrocarbyl; and wherein said polymeric suds stabilizer has a molecular weight of from about 1,000 to about 2,000,000 daltons.

15. A composition according to Claim 11, wherein said polymeric suds stabilizer (a) is a zwitterionic polymeric suds stabilizer of the formula:



wherein R is C<sub>1</sub>-C<sub>12</sub> linear alkylene, C<sub>1</sub>-C<sub>12</sub> branched alkylene, and mixtures thereof; R<sup>1</sup> is a unit capable of having a negative charge at a pH of from about 4 to about 12; R<sup>2</sup> is a unit capable of having a positive charge at a pH of from about 4 to about 12; n has a value such that said zwitterionic polymers suds stabilizer has an average molecular weight of from 1,000 to 2,000,000 daltons; x is from 0 to 6; y is 0 or 1; and z is 0 or 1.

16. A composition according to Claim 1 wherein said polymeric suds stabilizer is selected from the group consisting of a homopolymer, a copolymer, terpolymer and mixtures thereof.
17. A composition according to Claim 1 wherein said deterative surfactant is selected from the group consisting of anionic, nonionic, amphoteric, zwitterionic, cationic, and mixtures thereof.
18. A composition according to Claim 1 wherein said composition is selected from the group consisting of granules, tablets, liquids, liqui-gels, gels, microemulsion, thixotropic liquid, bars, pastes, powders and mixtures thereof.
19. A composition according to Claim 1 wherein said composition is selected from the group consisting of, liquid laundry compositions, liquid hard surface cleaning compositions, automatic dishwashing compositions, fabric softening compositions, rinse aid compositions, and mixtures thereof.
20. A composition according to Claim 1 wherein said composition is a personal cleansing composition, and wherein said personal cleansing composition further comprises a conventional personal cleansing additive.
21. A composition according to Claim 1 wherein said composition is a nonaqueous, liquid, heavy-duty detergent composition in the form of a stable suspension of solid, substantially insoluble particulate material dispersed throughout a structured, surfactant-containing liquid phase, wherein said nonaqueous, liquid, heavy-duty detergent composition further comprises:
  - from about 55% to about 98.9% by weight of the composition of a structured, surfactant-containing liquid phase formed by combining:
    - i) from about 1% to about 80% by weight of said liquid phase of one or more nonaqueous organic diluents; and